Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1.-5. (Cancelled)

6. (Currently Amended) A process for the preparation of phosphonic ester-modified organosiloxanes of the formula

$$(R_2SiO_{2/2})_p(R_3SiO_{1/2})_q[O_{1/2}H]_t[(O_{f/2}R^1_{3-f}SiCR^2_2P(O)(OR^4)_2]_s \qquad (I),$$

in which

R is a hydrogen atom or a monovalent, optionally -CN-, -NCO-, NR^5_2-, -COOH-, -$COOR^5$-, -halogen-, -acryloyl-, -epoxy-, -SH-, -OH- or -$CONR^5_2$- substituted Si-C-bonded C_1-C_{20} hydrocarbon radical or C_1-C_{15} hydrocarbonoxy radical in which one or more nonadjacent methylene units may be replaced by groups -O-, -CO-, -COO-, -OCO-, -OCOO-, -S-, or -NR^5- and in which one or more nonadjacent methine units may be replaced by groups -N=, -N=– or -P=,

R^1 is a hydrogen atom or a monovalent, optionally -CN-, -NCO-, -COOH-, -$COOR^5$-, -halogen-, -acryloyl-, -SH-, -OH- or -$CONR^5_2$- substituted Si-C-bonded C_1-C_{20} hydrocarbon radical or C_1-C_{15} hydrocarbonoxy radical in which one or more nonadjacent methylene units may be replaced by groups -O-, -CO-, -COO-, -OCO-, -OCOO-, -S-, or -NR^5- and in which one or more nonadjacent methine units may be replaced by group, -N=, -N=– or -P=,

R^2 is hydrogen or an optionally -CN- or halogen-substituted C_1-C_{20} hydrocarbon radical,

R^4 is hydrogen or an optionally -CN- or halogen-substituted C_1-C_{20} hydrocarbon radical or a substituted or unsubstituted polyalkylene oxide having 1 to 4000 carbon atoms,

R^5 is hydrogen or an optionally -CN- or halogen-substituted C_1-C_{10} hydrocarbon radical,

p is 0 or an integer from 1 to 100,000,

q is 0 or an integer from 1 to 100,000,

f is 1, 2 or 3,

s is an integer which is at least 1 and

t is 0 or an integer which is at least 1,

p+q is an integer which is at least 1,

comprising reacting:

at least one silane of the formula

$$[(R^3O)_fR^1_{3-f}SiCR^2_2P(O)(OR^4)_2] \quad [III]$$

~~is reacted~~ with at least one silicon compound of the general formula

$$(R_2SiO_{2/2})_p(R_3SiO_{1/2})_q[O_{1/2}H]_m \quad [IV]$$

where

R^3 is hydrogen or an optionally -CN- or halogen-atom-substituted C_1-C_{20} hydrocarbon radical, and

m is an integer 1 or 2,

the reaction taking place neat or in organic solvent.

7. (Previously Presented) The process of claim 6, wherein the sum p + q is an integer which is at least 2.

8. (Previously Presented) The process of claim 6, carried out in the presence of catalyst.

9. (Previously Presented) The process of claim 7, carried out in the presence of catalyst.

10. (Previously Presented) The process of claim 6, carried out at temperature(s) of 0 to 200°C.

11. (Previously Presented) The process of claim 7, carried out at temperature(s) of 0 to 200°C.

12. (Previously Presented) The process of claim 8, carried out at temperature(s) of 0 to 200°C.

13. (Previously Presented) The process of claim 6, carried out in an inert gas atmosphere.

14. (Previously Presented) The process of claim 7, carried out in an inert gas atmosphere.

15. (Previously Presented) The process of claim 8, carried out in an inert gas atmosphere.

16. (Previously Presented) The process of claim 10, carried out in an inert gas atmosphere.

17. (New) The process of claim 6, wherein the reaction takes place in an aprotic organic solvent.

18. (New) The process of claim 6, wherein the reaction takes place in the absence of a catalyst.

19. (New) The process of claim 6, wherein the reaction takes place neat.

20. (New) The process of claim 6, wherein the reaction mixture is homogenous.